| - Ind | ex of | Clair | ns |
|-------|-------|-------|----|
|       |       |       |    |

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 10/811,865      | DU ET AL.    |  |
| Examiner        | Art Unit     |  |
| David Sample    | 1755         |  |

| 1 | Rejected | - | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|                            | _        |         |        |          |          |          |           |          |          |               |          |     |              |          |          |          |          |                 |          |           |          |         |                    |              | •          | _  |            |          |            |  |          |          |             |          |
|----------------------------|----------|---------|--------|----------|----------|----------|-----------|----------|----------|---------------|----------|-----|--------------|----------|----------|----------|----------|-----------------|----------|-----------|----------|---------|--------------------|--------------|------------|--|------------|----------|------------|--|----------|----------|-------------|----------|
| Claim                      |          |         |        |          |          |          | 10 T      | CI       | aim      |               | Date #   |     |              |          |          |          |          |                 |          | alm       |          | Date    |                    |              |            |  |            |          |            |  |          |          |             |          |
| Final<br>Original          | 31212    | 201     | 2 2 05 | · .      |          |          |           |          |          |               |          |     | Finat        | Original |          |          |          |                 |          |           |          |         |                    | Final        | Original   |  |            |          |            |  |          |          |             |          |
| 1 (1)                      | ť        | X       |        | H        | ╁        | +        | +         | $\dashv$ | _        | ├             | ╁        | 謹   |              | 51       | ╁        | ┢        |          | Н               | H        | $\dashv$  | -        | ╁       |                    | <del> </del> | 101        | -  | -          | ├        | ┝          | ⊢  | ⊢        | H        | Н           | -        |
| 2 2                        | ۳        | 1       | 7      | ┝        | ╁╌       | +        | +         |          |          | -             | ┢        |     | <del> </del> | 52       | t        | H        |          | $\vdash$        |          | -         | 十        | +       | - T.               | ⊢            | 102        | $\vdash$   | 1-         | ┝        | ├          | ⊢  | ┢        | Н        | Н           | $\vdash$ |
| 3 3                        | T        | H       | t      | Г        | T        | 1        | ┪         |          | П        |               | T        | 盤   |              | 53       | †        |          | _        | П               |          | _         | $\dashv$ | $\top$  |                    |              | 103        | <del>                                     </del> |            | Н        | 1          | <del>                                     </del> | -        | -        |             | Н        |
| 3<br>4<br>5<br>5<br>6<br>7 | 1        |         | Ī      |          |          | T        |           |          |          |               | Γ        | ie: |              | 54       |          |          |          | П               |          | T         | $\neg$   | $\top$  |                    |              | 104        | Г  |            | Г        | t          |  |          |          |             | Г        |
| 5 5                        | T        |         | Ι      |          |          | Ι        | $\Box$    |          |          |               |          |     |              | 55       |          |          |          |                 |          |           | I        |         |                    |              | 105        |  |            |          |            | Г  | Г        |          | $\Box$      | Г        |
| <b>6</b> 6                 | Ц        | Ц       | Ц      |          | L        | Ļ        | 4         | _        |          |               | L        | H   |              | 56       |          | L        |          |                 |          |           |          |         |                    |              | 106        |  |            |          | <u> </u>   |  |          |          |             |          |
| 7 7                        | Н        | Ц       | L      | _        | ↓        | ╀        | 4         | 4        |          | L             | L        |     |              | 57       | ↓_       | L        |          | Ш               | Ц        | _         | 4        | _       |                    |              | 107        | <u> </u>   | 匚          | L        |            | Ш  |          |          |             |          |
| <b>8</b> 8 9               | Н        | Н       | ╀      | _        | ╀        | ╁        | +         | 4        |          | -             | ┡        | 攝   |              | 58<br>59 | -        | -        | $\vdash$ | $\vdash \vdash$ | _        |           | $\dashv$ | -       |                    |              | 108        | <b> </b> _                                       | ┡          | <u> </u> | <b> </b> _ | $\sqcup$   | _        | Щ        | Щ           | L        |
| <b>10</b> 10               | Н        | H       | Н      | <u> </u> | ╀        | ╀        | +         | -        |          | ⊢             | -        | W   |              | 60       | ╀        | -        |          | Н               | -        | -         | -+       | +       |                    |              | 109        | ⊢  | <b> </b> - | ┡        | ┡          | $\vdash$   | _        | <u> </u> |             | _        |
| 1 11                       | Н        | ╫       | Н      | -        | ╁        | ╁        | +         | $\dashv$ |          | -             | -        |     |              | 61       | ╁╾       | $\vdash$ | -        | ┝┥              |          |           | $\dashv$ | +       |                    | _            | 110<br>111 | ⊢  | H          | ⊢        | -          | Н  | H        | Н        | _           | <u> </u> |
| 12 (12)                    | Н        | H       | H      |          | $\vdash$ | +        | +         | $\dashv$ |          | <del> -</del> | ┢        |     |              | 62       | ╁        | Н        | -        | $\vdash \vdash$ | $\dashv$ | $\dashv$  | $\dashv$ | +       |                    |              | 112        | $\vdash$   | $\vdash$   | $\vdash$ | ┝          | H  | -        | Н        | $\dashv$    | -        |
| 13 13                      | Н        | 'n      | r      | $\vdash$ | t        | +        | +         | $\dashv$ | Н        | $\vdash$      | ┢        | 匚   |              | 63       | †        | H        |          | $\vdash$        |          | $\dashv$  | +        | +       | 411.1              |              | 113        | $\vdash$   | H          | -        | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | $\dashv$    |          |
| 14 14                      | ħ        | 1       | 74     |          | 1        | T        | 十         | 7        |          |               | T        | 麠   |              | 64       |          | Н        |          | $\vdash$        |          | ᅥ         | $\dashv$ | $\top$  | -                  |              | 114        | ┢  | $\vdash$   | $\vdash$ | Н          | Н  | $\vdash$ | $\vdash$ | $\dashv$    | _        |
| 13                         | F        | ·T      |        |          |          | Ι        |           |          |          |               |          |     |              | 65       |          |          |          |                 |          |           | ╛        | 7       |                    |              | 115        | Г  | П          | Г        | Π          | М  | П        | П        | $\dashv$    | Г        |
| 16                         |          | $\perp$ |        |          |          | I        | I         |          |          |               |          |     |              | 66       |          |          |          |                 |          |           |          |         |                    |              | 116        |  |            |          |            |  |          |          | $\neg$      |          |
| 17                         | L        | 4       |        |          | L        | ┸        | 1         |          |          |               |          |     |              | 67       | L        |          |          |                 |          | $\Box$    | $\Box$   | $\perp$ | 1                  |              | 117        |  |            |          |            |  |          |          |             |          |
| 18                         | ↓.       | 4       | _      |          | L        | ╀        | 4         | 4        | _        |               | L        |     |              | 68       | ┖        | Ц        | Щ        | $\Box$          |          | _         | _ _      | 1       |                    |              | 118        | L  | Ш          |          |            |  |          |          | _           |          |
| 19                         | +        | +       | -      |          | ┡        | +        | +         | 4        | 4        |               | <u> </u> |     |              | 69       | ⊢        | Ш        | _        | $\Box$          | _        | -         | 4        | -       | 45                 |              | 119        | Щ  |            | L        |            |  |          |          | _           |          |
| 20                         | ┾        | +       | -      |          | ┝        | ╀        | +         | +        | ႕        |               | <u> </u> |     |              | 70<br>71 | ⊢        | Н        | -        |                 |          | -         |          | -       | -111               | · -          | 120        | <u> </u>   |            |          | L          |  |          | _        | _           | _        |
| 22                         | ╁        | +       | -      |          | ⊢        | ╁        | +         | $\dashv$ |          | -             | _        |     |              | 72       | ⊢        | Н        |          |                 | -        |           | -        | ╬       |                    |              | 121        | _  |            |          | Н          | Н  |          |          |             | _        |
| 23                         | +        | +       | ۲      | _        | ┢        | ╁        | +         | +        | $\dashv$ |               | -        |     |              | 73       | ┢        | Н        | -        | -               | -1       |           | +        |         | - 24               |              | 123        |  |            |          |            |  |          |          | <del></del> |          |
| 24                         | t        | ╅       | 7      |          | t        | t        | +         | ┪        | ᅥ        |               |          |     |              | 74       |          | H        | -        | -               | 7        | $\dashv$  | 十        | +       | -                  |              | 124        |  |            |          | Н          | $\vdash$   | $\vdash$ | $\vdash$ | ┪           |          |
| 25                         | Г        | $\top$  |        |          | T        | T        | T         | T        | ┪        |               | Г        | 43  |              | 75       |          |          |          |                 | 寸        | _         | +        | 1       |                    |              | 125        |  |            |          |            | П  | $\vdash$ | _        | ┪           | _        |
| 26                         | T        | T       |        |          |          | T        | T         |          |          |               | ·        |     |              | 76       |          |          |          |                 |          |           | ┪        | 十       | 7                  |              | 126        |  |            |          |            | $\Box$   | Н        | ┪        | 7           | _        |
| 27                         | L        |         |        |          |          | L        |           |          |          |               |          |     |              | 77       |          |          |          |                 |          |           |          |         |                    |              | 127        |  |            |          |            |  |          |          | $\Box$      | _        |
| 28                         | L        | 1       | _      |          | L        | ↓_       | 1         | 4        | _        | _             | _        | Ė   |              | 78       | L        | Ш        | _        | _               | _        | 4         | $\perp$  | $\perp$ |                    |              | 128        |  |            |          |            | $\Box$   |          |          |             |          |
| 29                         | L        | 4       | 4      |          | L        | Ļ        | 4         | 4        | 4        | _             |          |     |              | 79       | L        | Щ        | _        | _               | $\dashv$ | 4         | 4        | 丄       |                    |              | 129        |  |            |          |            | Ш  |          |          | $\dashv$    |          |
| 30                         | ╀        | +       | 4      |          | ┝        | ╀        | ╀         | 4        |          |               | _        |     |              | 80       | ⊢        |          | _        |                 | -        | 4         | +        | +       | Service<br>Service |              | 130        |  | _          | _        |            | _  | $\Box$   | _        | _           |          |
| 31                         | ⊢        | +       | +      | _        | ⊢        | ⊬        | ╁         | +        |          | -             | _        |     |              | 81<br>82 | -        |          | $\dashv$ | $\dashv$        | -        | $\dashv$  | +        | ╁       | - IIII             |              | 131<br>132 | _  |            |          |            | $\dashv$   |          | -        | $\dashv$    | _        |
| 33                         | H        | +       | +      | _        | ┝        | ╁╌       | +         | ╅        | -        | $\dashv$      | _        |     |              | 83       | H        |          |          | $\dashv$        | $\dashv$ | $\dashv$  | +        | +       | 100 A              |              | 133        | _  | -          | $\dashv$ | $\dashv$   | $\dashv$   | $\dashv$ | $\dashv$ | +           | _        |
| 34                         | t        | +       | 7      |          | $\vdash$ | $\vdash$ | $^{+}$    | $\dashv$ | 7        | -             |          |     | -            | 84       | H        |          | ┪        |                 | +        | $\dashv$  | +        | +       |                    |              | 134        |  | -          | $\dashv$ | $\dashv$   | ┪  | $\dashv$ | +        | $\dashv$    |          |
| 35                         | <u> </u> | Ť       | 7      | _        | Γ        | T        | Ť         | 7        | 7        |               |          |     |              | 85       | П        | $\vdash$ | 寸        | 一               | $\dashv$ | 7         | 十        | +       | -111               |              | 135        | $\dashv$   | -          | $\neg$   |            | +  | $\dashv$ | 7        | $\dashv$    | —        |
| 36                         |          | Ι       |        |          |          | 1        |           |          |          |               |          |     |              | 86       |          |          |          |                 | Ī        | 1         | $\top$   | T       |                    |              | 136        |  | 寸          |          | $\neg$     | ヿ  |          | _        | ╅           | _        |
| 37                         |          | I       | $\Box$ |          | Ĺ        |          |           | $\Box$   | $\Box$   |               |          |     |              | 87       |          |          | $\Box$   |                 |          |           |          |         |                    |              | 137        |  |            |          |            |  |          |          |             | _        |
| 38                         | L        | 4       | 4      |          | L        | L        | 4         | 4        | 4        |               |          | 嚣   |              | 88       | Ш        | $\Box$   | _        | _               | 4        | 1         | $\perp$  | $\bot$  |                    |              | 138        |  | J          |          | _]         | ╝  | $\Box$   | Į        | I           |          |
| 39                         | L        | +       | 4      |          | _        | ╄        | +         | 4        | -        |               |          |     |              | 89       | Н        | -        | $\dashv$ | -               | -        | _         | 4        | 4       | 讄                  |              | 139        |  | _          | _        | _          | _  | _        | _        | _           |          |
| 40                         | $\vdash$ | +       | +      |          | $\vdash$ | ⊢        | +         | +        | +        | _             |          | 53  | $\dashv$     | 90<br>91 | $\vdash$ |          |          | +               | 4        | +         | +        | +-      | 摄                  |              | 140        | Ч  | _}         | _        | _          | _  | 4        | _        | 4           | _        |
| 41                         | $\vdash$ | +       | +      | -        | ├-       | ╁        | ╀         | +        | +        | $\dashv$      |          | 讕   |              | 91       | Н        |          | $\dashv$ | $\dashv$        | +        | +         | +        | +       |                    |              | 141<br>142 | $\dashv$   | 4          | 4        | _          | $\dashv$   | _        | 4        | $\dashv$    | _        |
| 43                         | H        | ╁       | +      |          | $\vdash$ | ┢        | +         | +        | $\dashv$ | $\dashv$      | -        |     |              | 93       | H        | -        | $\dashv$ | +               | ┥        | ╁         | +        | ╬       |                    |              | 143        | $\dashv$   | +          | 4        | ᅱ          | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$    | _        |
| 44                         | H        | †       | +      |          | $\vdash$ | t        | $\dagger$ | +        | +        | +             | -        |     | $\dashv$     | 94       | Н        | $\dashv$ | -        | +               | +        | +         | +        | ╁       | 掛                  | $\dashv$     | 144        | $\dashv$   | ┥          | $\dashv$ | ᅱ          | -  | ┥        | $\dashv$ | $\dashv$    | _        |
| 45                         | H        | †       | 7      | _        | Т        | T        | $^{+}$    | +        | +        | ┪             | -        |     |              | 95       | Н        | $\dashv$ | $\dashv$ | 十               | 7        | +         | ╁        | +       | 蠿                  | $\dashv$     | 145        | $\dashv$   | ┥          | ᅱ        | $\dashv$   | 十  | +        | +        | +           |          |
| 46                         | T        | Ť       | _†     |          |          | Г        | $\dagger$ | $\top$   | 7        | ┪             | $\dashv$ | 爵   |              | 96       | $\dashv$ |          | 7        | +               | 1        | $\dagger$ | +        | +       |                    |              | 146        | $\dashv$   | +          | ┪        | ┪          | 十  | 7        | +        | +           | $\neg$   |
| 47                         |          | Ι       | J      |          |          | Γ        | Ι         | _        | ⇉        | _1            |          | 鸝   |              | 97       |          |          | _†       | _†              | 1        | ✝         | 十        | $\top$  | 李曜                 |              | 147        | 7  | +          | ┪        | 7          | $\dashv$   | 7        | 7        | +           | $\dashv$ |
| 48                         |          | L       | I      |          |          |          | Γ         | I        | $\Box$   |               |          |     |              | 98       |          |          |          |                 |          | ⅃         | I        | $\perp$ |                    |              | 148        | ╗  | ╛          |          |            | 寸  | _        | 寸        | ヿ           | $\neg$   |
| 49                         | L        | L       | 4      |          |          | L        | L         | $\perp$  | $\prod$  | Ţ             | _        |     | [            | 99       |          |          | ℷ        | $\bot$          | $\Box$   | I         | I        | $\perp$ |                    |              | 149        | $\Box$   |            |          |            | $\Box$   |          | I        | 丁           |          |
| 50                         | L        | L       | L      | ┙        |          | 乚        | 1_        | ⊥        | ᆚ        |               |          | E)  |              | 100      |          |          |          |                 | L        | _ 1       | -        | L       | 15                 |              | 150        | _ [  |            | ĺ        |            | ſ  | _T       | T        | Τ           | ٦        |